

Object Oriented Programming LAB – BSDSF23 (Afternoon)

Lab 12 – 13-05-2024

You are provided a SQLite DB with the following tables and data in them.

dept Table

deptno	dname	location
10	Accounting	Sargodha
20	Research	Karachi
30	Sales	Multan
40	Operations	Vehari

emp Table

empno	ename	job	mgr	hiredate	sal	comm	deptno
7369	WAHID	CLERK	7902	1993-06-13	8000.00		20
7499	AHMAD	SALESMAN	7698	1998-08-15	16000.00	300.00	30
7521	WAJID	SALESMAN	7698	1996-03-26	12500.00	500.00	30
7566	JAMEEL	MANAGER	7839	1995-10-31	29750.00		20
7698	BABAR	MANAGER	7839	1992-06-11	28500.00		30
7782	CRISTOFAR	MANAGER	7839	1993-05-14	24500.00		10
7788	SMEEA	ANALYST	7566	1996-03-05	30000.00		20
7839	BADSHAH	CHAIRPERSON		1990-06-09	50000.00		10
7844	TANVEER	SALESMAN	7698	1995-06-04	15000.00	0.00	30
7876	ADNAN	CLERK	7788	1999-06-04	11000.00		20
7900	JAFFER	CLERK	7698	2000-06-23	9500.00		30
7934	MEENA	CLERK	7782	2000-01-21	13000.00		10
7902	FOWAD	ANALYST	7566	1997-12-05	30000.00		20
7654	MAJID	SALESMAN	7698	1998-12-05	12500.00	1400.00	30

salgrade Table

grade	losal	hisal
1	7000.00	12000.00
2	12001.00	14000.00
4	20001.00	30000.00
5	30001.00	99999.00
3	14001.00	20000.00

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1. Write a menu-based program using prepared queries to perform the following operations on the **department** table. 40
a) Add, s) Search name, d) Delete, l) List All, e) Edit, n) Edit name, l) Edit location and q) Quit
2. Write a menu-based program using prepared queries to perform the similar and extended operations on the **Employee** table. The operation may use data the department and the grades table too. 50
3. Write a GUI-based (if not possible for you, use CLI-based) program using prepared queries to perform the basic CRUD operations on the **Grades** table. 10
